



Infrastructure, buildings, environment, communications

ATTN: Mr. John Geroch

California Regional Water Quality Control Board
Los Angeles Region (RWQCB)
320 West 4th Street, Suite 200
Los Angeles, California 90013

Subject:

Supplemental Groundwater Monitoring
Waste Discharge Requirements Order Number R4-2002-0030 (Series 007)
Compliance File Number CI-95-036, SLIC 0410
Project Site: Former Boeing C-6 Facility (Building 2 Area), Los Angeles, California

Dear Mr. Geroch:

The purpose of this letter is to propose performing supplemental groundwater monitoring prior to completion of the first amendment addition at the former Boeing C6 Site, Los Angeles, California (Figure 1). An initial schedule was outlined in the above-referenced WDR permit dated February 4, 2003. As outlined in the permit, the baseline sampling event was to be conducted in October 2003. The baseline sampling event was completed in October 2003 as scheduled and reported to the RWQCB in a letter dated November 24, 2003. Subsequent monitoring events hinge on the completion of the first amendment. However, due to delays with building construction activities and the release of carbohydrate solution that occurred on February 23 and 24, 2004 (*Notification of Leakage of Molasses Solution* letter submitted to the RWQCB dated February 27, 2004) during the first amendment addition, we are proposing to perform supplemental monitoring during this interim period to evaluate amendment distribution prior to completion of the first amendment.

Due to the release of the carbohydrate solution, amendment activities were immediately terminated and the RWQCB notified. The condition of the amendment points and lateral lines is being evaluated using potable water for testing. Amendment activities are currently suspended and will resume after the water test is completed, the potential causes of the release are assessed, and the delivery method is modified to prevent future release. Currently, the water test is scheduled for either April or May 2004.

Per the WDR permit, the first monitoring event will be conducted 2 weeks after completing the first amendment event. The monitoring frequency as set forth in the permit is to conduct monitoring after 2, 6, 12, 16, 21, and 36 weeks after the first

Part of a bigger picture

ARCADIS G&M, Inc.
1400 No. Harbor Boulevard
Suite 700
Fullerton
California 92835-4127
Tel 714.278.0992
Fax 714.278.0051
www.arcadis-us.com

ENVIRONMENTAL

Date:
22 April 2004

Contact:
James K. Nguyen, P.E.

Phone:
Ext. 3026

Project Number:
CA000594.0003.00005


amendment event and quarterly thereafter. As outlined in the permit, monitoring events were scheduled for November and December 2003, January, February, March, and July 2004. However, due to the delays mentioned above, we propose to perform supplemental monitoring to monitor the distribution of placed amendment during this interim period. Monitoring will still be conducted 2, 6, 12, 16, 21, and 36 weeks after the completion of the first injection event, and quarterly thereafter in accordance with the permit. Since the first amendment event was postponed until June 2004, the first monitoring event will likely be conducted in late June or early July 2004.

During the interim period while the injection system is being evaluated, the supplemental groundwater monitoring program will consist of collecting additional groundwater samples to evaluate the amendment distribution. It is proposed that monitoring be conducted in May 2004 from the following monitoring wells: IRZBMW001A/B, IRZBMW002A/B, IRZMW005, and CMW026 (Figure 2). Samples will be collected and analyzed for total organic carbon using EPA Method 9060 Modified. In addition, field parameters will also be collected (i.e. pH, dissolved oxygen, oxidation-reduction potential, specific conductance, and temperature). Sampling protocol will be conducted as described in the IRZ pilot test workplan. Samples will be collected from these during the week of May 17th.

If you have any questions or comments regarding this letter, please contact Jim Nguyen at (714) 278-0992.

Sincerely,

ARCADIS G&M, Inc.



James K. Nguyen, P. E.
Project Manager

Enclosures:

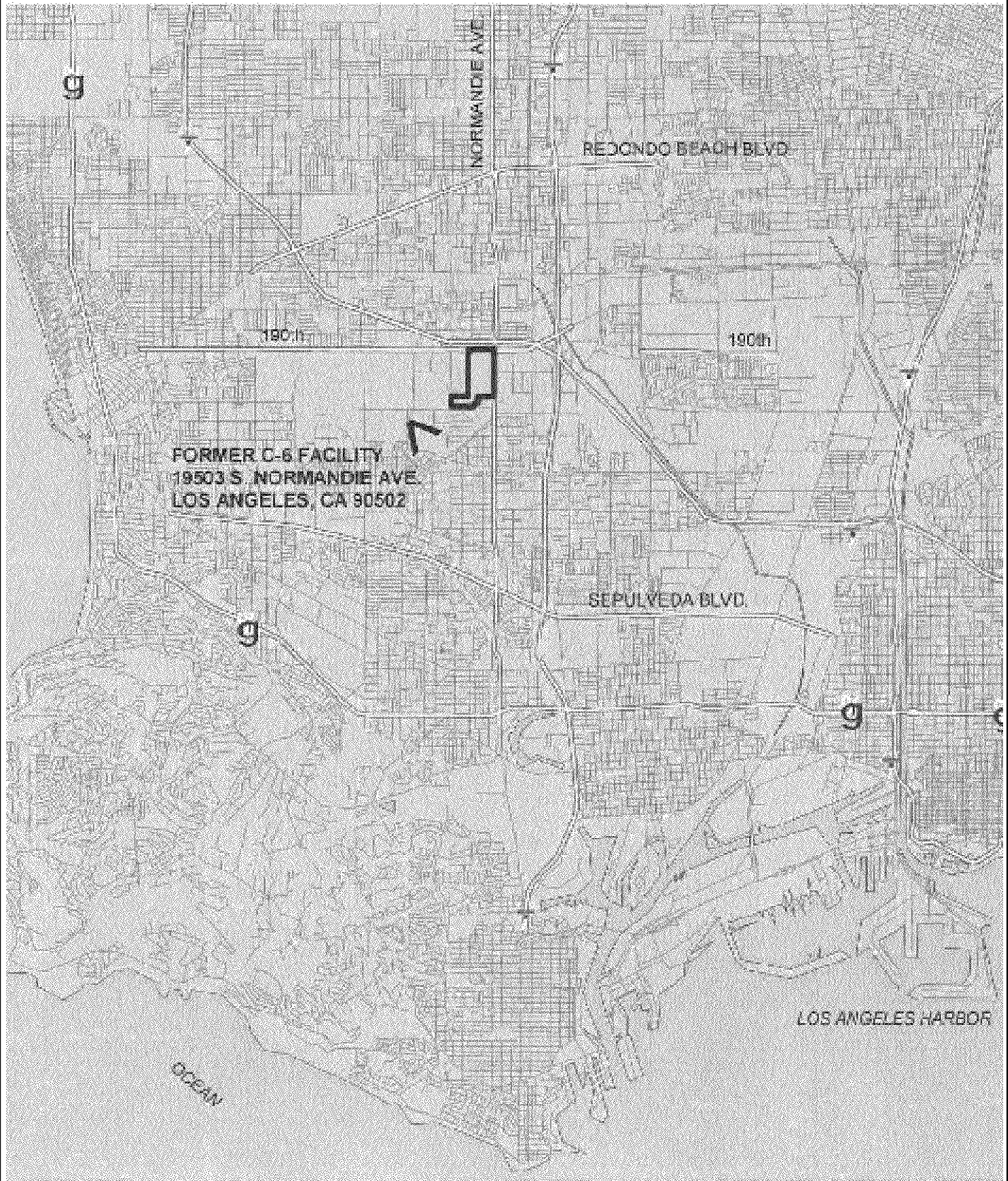
- Figures: 1 – Site Location Map
2 – Amendment Point and Monitoring Well Locations

Copies:

Robert Scott, Boeing
Scott Zachary, Haley & Aldrich
Project File

ARCADIS

Figures



Base map downloaded from "Tiger File" data website hosted by ESRI.

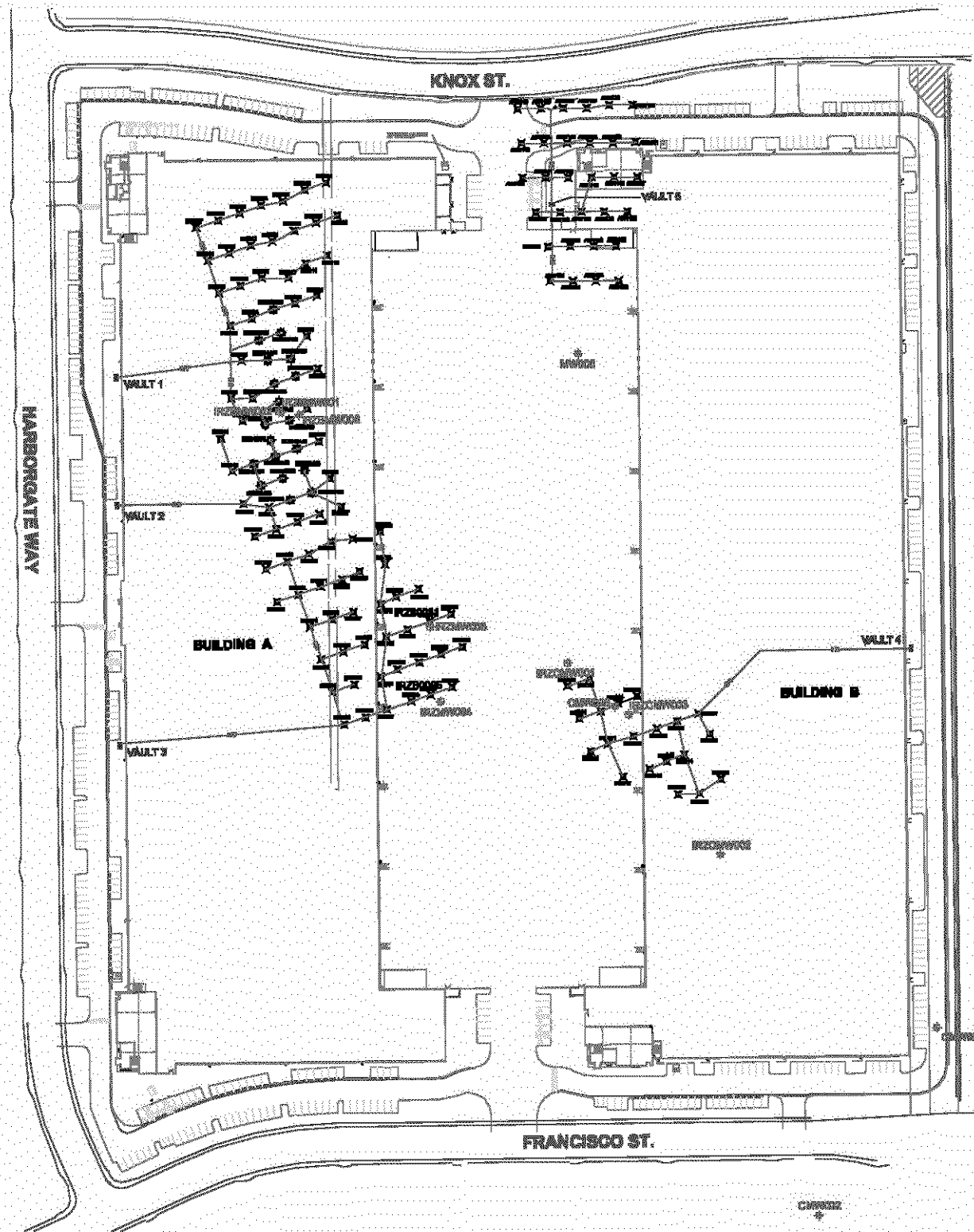


SITE LOCATION

BOEING REALTY CORPORATION
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

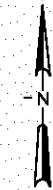
FIGURE

1



LEGEND

- BIOGROUNDS MONITORING WELL
- DUAL BIOINJECTION POINT
- SINGLE BIOINJECTION POINT
- FLUSH MOUNTED VAULT FOR SUBSURFACE REMEDIATION PIPING
- BIOREMEDIATION SYSTEM PIPING



0 100 200
SCALE IN FEET

ALL DIMENSIONS AND LOCATIONS APPROXIMATE



AMENDMENT POINT AND MONITORING WELL LOCATIONS

BOEING REALTY CORPORATION
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

FIGURE

2